

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102121\
 Data File : VN069083.D
 Acq On : 21 Oct 2021 13:06
 Operator : JC/MD
 Sample : M4271-01ME
 Misc : 4.99g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

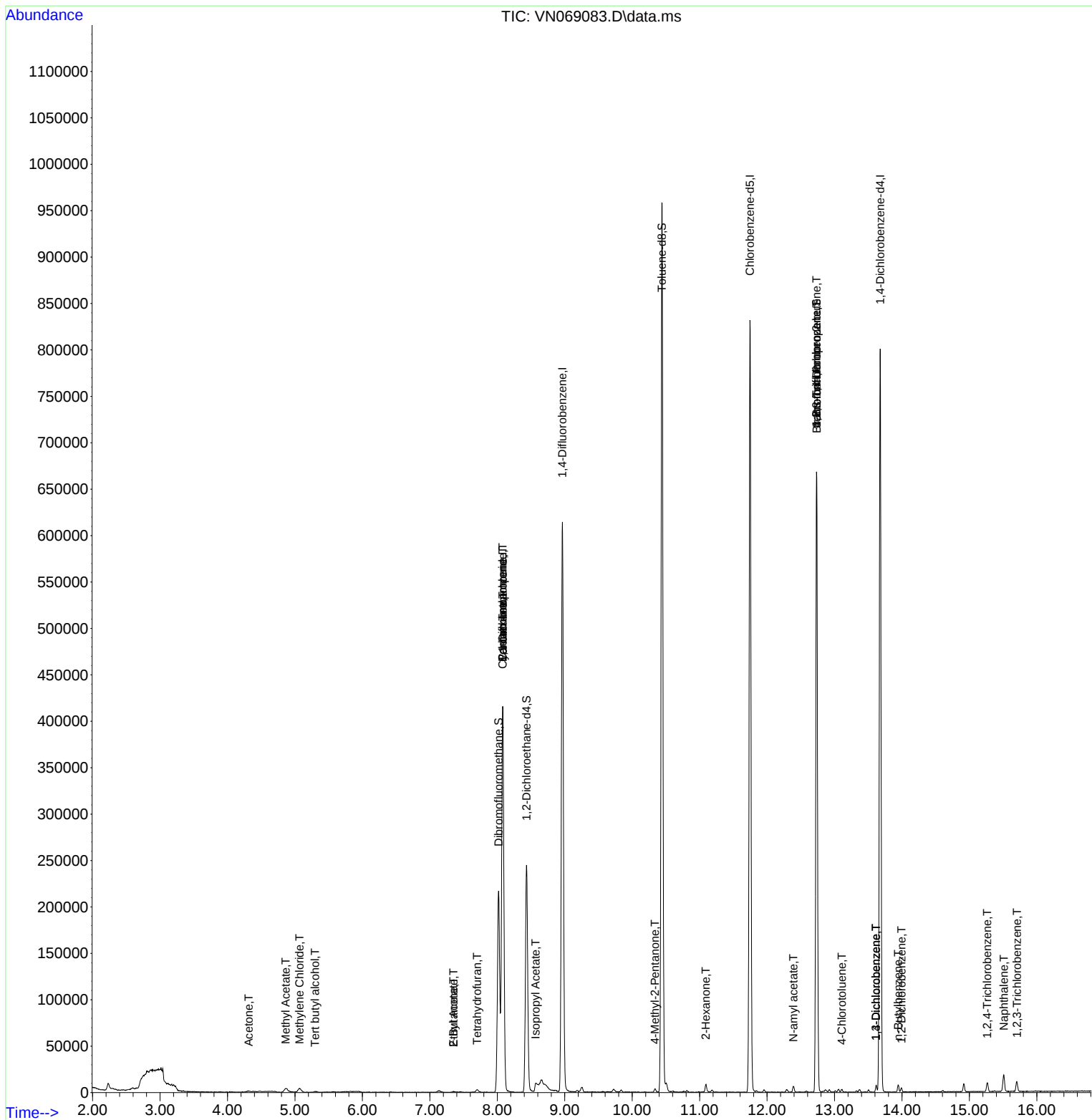
Quant Time: Oct 21 13:32:47 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N101221W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 13 05:44:40 2021
 Response via : Initial Calibration

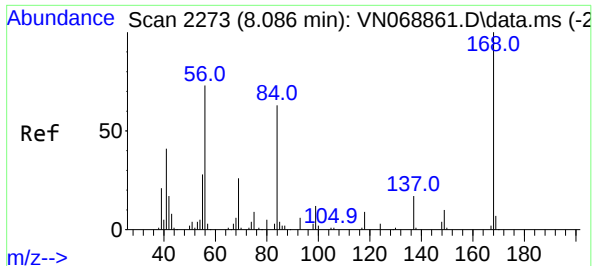
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.080	168	315896	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.965	114	558841	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	495395	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	210715	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	210433	50.524	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 101.040%	
35) Dibromofluoromethane	8.019	113	161240	49.591	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 99.180%	
50) Toluene-d8	10.441	98	689110	52.970	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 105.940%	
62) 4-Bromofluorobenzene	12.734	95	243591	49.629	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 99.260%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.297	59	299	0.393	ug/l #	72
16) Acetone	4.315	43	1122	0.722	ug/l	94
18) Methyl Acetate	4.865	43	10738	1.821	ug/l #	59
20) Methylene Chloride	5.069	84	4008	1.120	ug/l #	91
25) 2-Butanone	7.351	43	1828	0.778	ug/l	93
29) Tetrahydrofuran	7.700	42	2551	1.673	ug/l #	55
31) Cyclohexane	8.078	56	7347	1.135	ug/l #	1
36) 1,1-Dichloropropene	8.080	75	26598	5.572	ug/l #	50
37) Ethyl Acetate	7.351	43	1828	0.371	ug/l #	68
38) Carbon Tetrachloride	8.080	117	33191	6.331	ug/l #	15
43) Isopropyl Acetate	8.569	43	7122	0.819	ug/l #	55
51) 4-Methyl-2-Pentanone	10.336	43	3206	0.636	ug/l	88
59) 2-Hexanone	11.092	43	6265	1.732	ug/l	96
71) Bromoform	12.736	173	1221	0.415	ug/l #	1
74) N-amyl acetate	12.390	43	4310	0.649	ug/l	95
76) 1,2,3-Trichloropropane	12.734	75	126585	28.234	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.734	75	126585	67.548	ug/l #	12
82) 4-Chlorotoluene	13.109	91	2836	0.242	ug/l	86
87) 1,3-Dichlorobenzene	13.616	146	1867	0.278	ug/l	95
88) 1,4-Dichlorobenzene	13.616	146	1867	0.280	ug/l	94
89) n-Butylbenzene	13.943	91	5209	0.443	ug/l	97
91) 1,2-Dichlorobenzene	13.994	146	2247	0.345	ug/l	92
93) 1,2,4-Trichlorobenzene	15.263	180	3956	3.661	ug/l	98
95) Naphthalene	15.509	128	17931	5.506	ug/l	98
96) 1,2,3-Trichlorobenzene	15.705	180	4214	3.702	ug/l	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quant Time: Oct 21 13:32:47 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N101221W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 13 05:44:40 2021
Response via : Initial Calibration

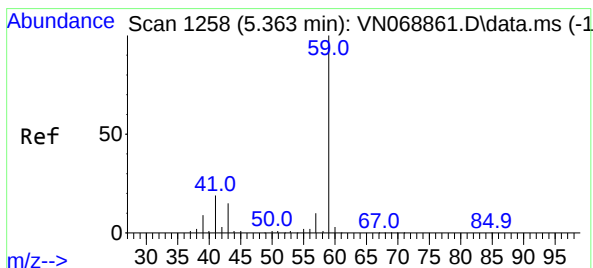
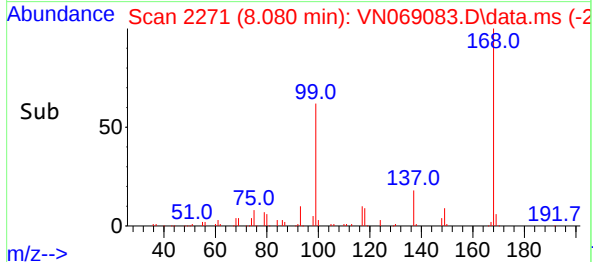
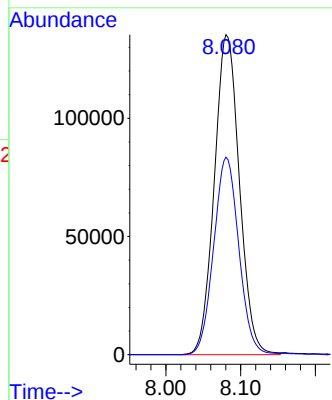
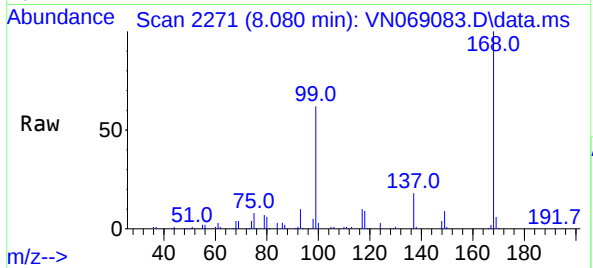




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.080 min Scan# 2271
Delta R.T. -0.006 min
Lab File: VN069083.D
Acq: 21 Oct 2021 13:06

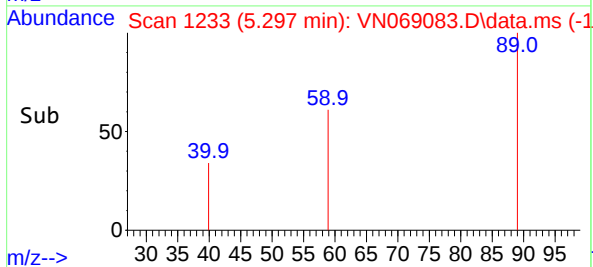
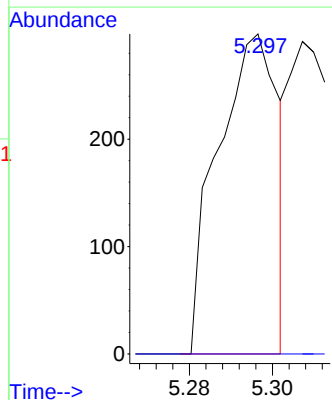
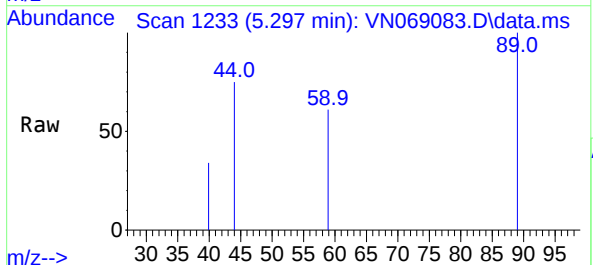
Instrument :
MSVOA_N
ClientSampled :

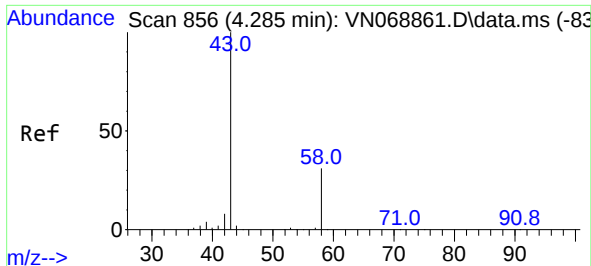
Tgt Ion:168 Resp: 315896
Ion Ratio Lower Upper
168 100
99 61.7 48.9 73.3



#11
Tert butyl alcohol
Concen: 0.393 ug/l
RT: 5.297 min Scan# 1233
Delta R.T. -0.067 min
Lab File: VN069083.D
Acq: 21 Oct 2021 13:06

Tgt Ion: 59 Resp: 299
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

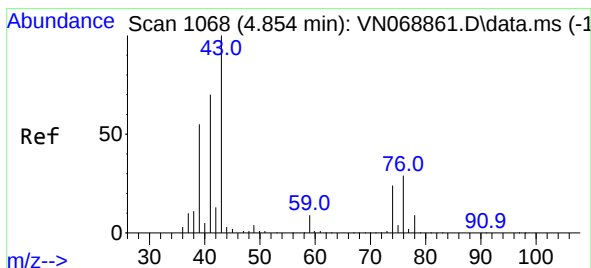
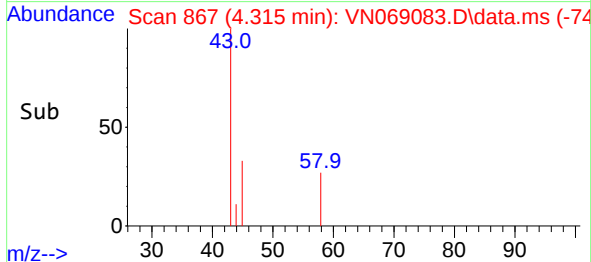
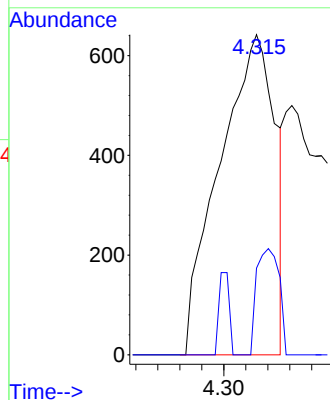
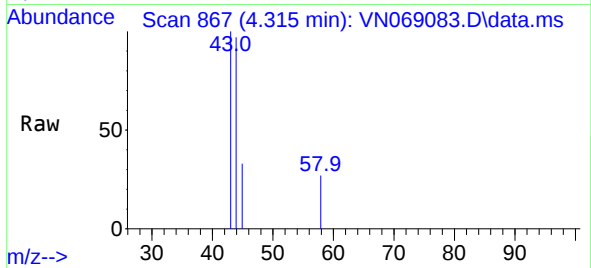




#16
Acetone
Concen: 0.722 ug/l
RT: 4.315 min Scan# 867
Delta R.T. 0.030 min
Lab File: VN069083.D
Acq: 21 Oct 2021 13:06

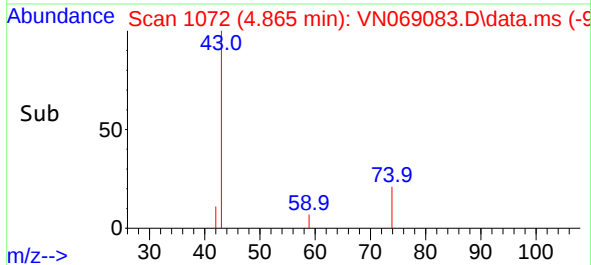
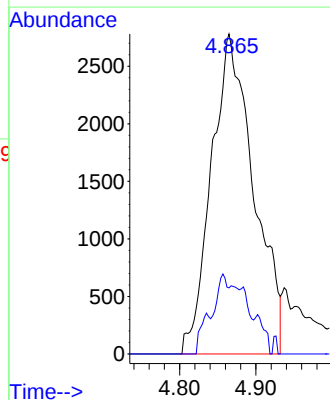
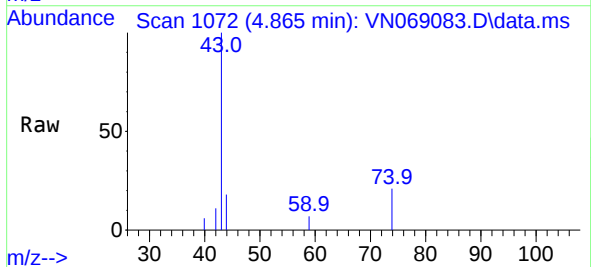
Instrument :
MSVOA_N
ClientSampled :

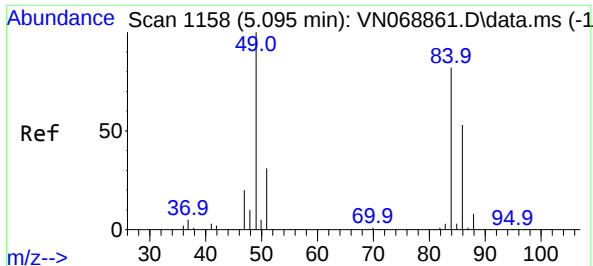
Tgt Ion: 43 Resp: 1122
Ion Ratio Lower Upper
43 100
58 27.1 24.5 36.7



#18
Methyl Acetate
Concen: 1.821 ug/l
RT: 4.865 min Scan# 1072
Delta R.T. 0.011 min
Lab File: VN069083.D
Acq: 21 Oct 2021 13:06

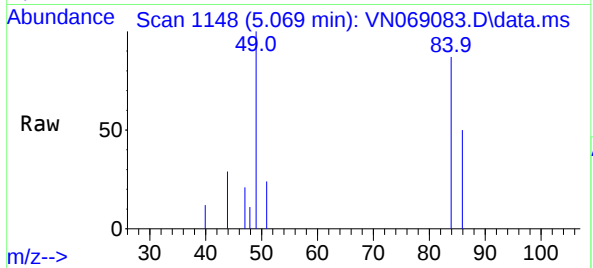
Tgt Ion: 43 Resp: 10738
Ion Ratio Lower Upper
43 100
74 3.4 18.9 28.3#



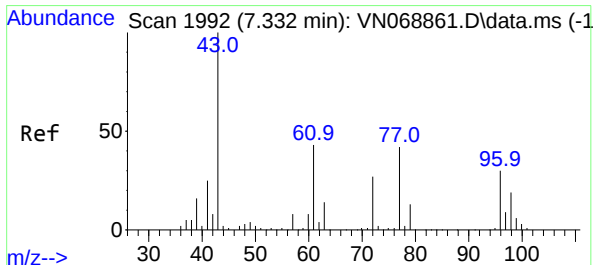
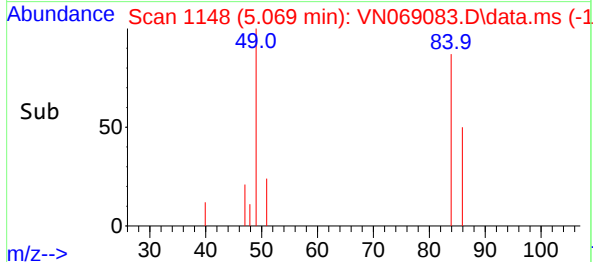
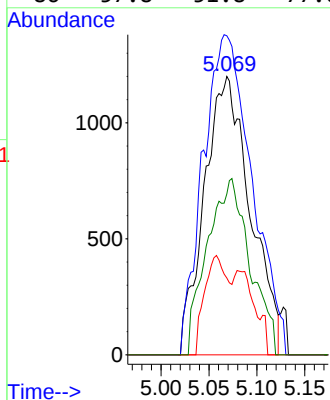


#20
Methylene Chloride
Concen: 1.120 ug/l
RT: 5.069 min Scan# 1148
Delta R.T. -0.027 min
Lab File: VN069083.D
Acq: 21 Oct 2021 13:06

Instrument :
MSVOA_N
ClientSampled :

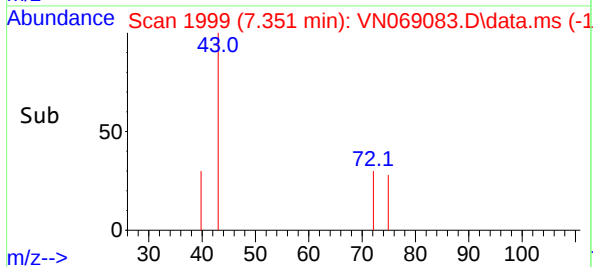
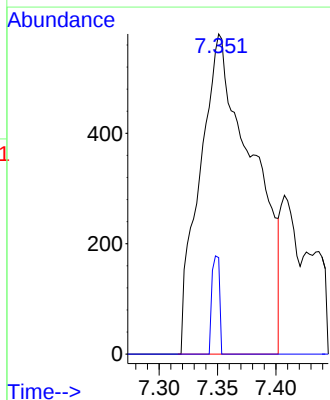
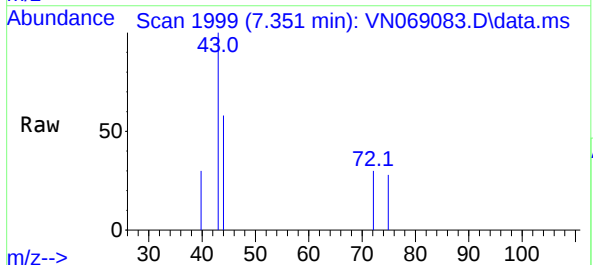


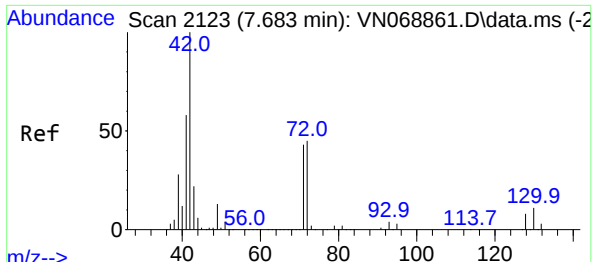
Tgt Ion: 84 Resp: 4008
Ion Ratio Lower Upper
84 100
49 114.6 97.6 146.4
51 27.6 30.3 45.5#
86 57.8 51.8 77.6



#25
2-Butanone
Concen: 0.778 ug/l
RT: 7.351 min Scan# 1999
Delta R.T. 0.019 min
Lab File: VN069083.D
Acq: 21 Oct 2021 13:06

Tgt Ion: 43 Resp: 1828
Ion Ratio Lower Upper
43 100
72 30.2 21.2 31.8

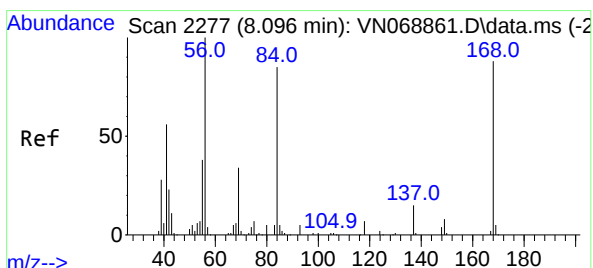
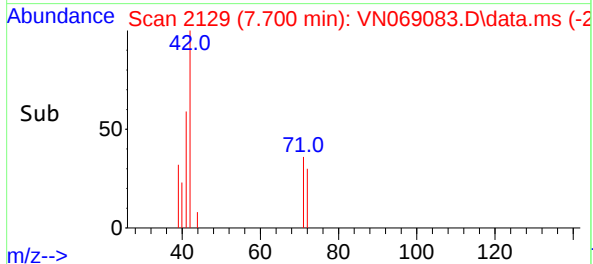
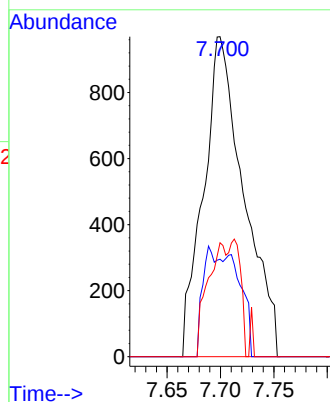
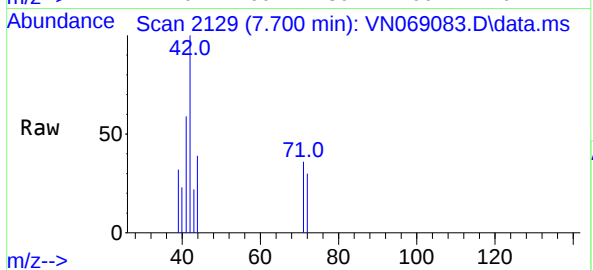




#29
Tetrahydrofuran
Concen: 1.673 ug/l
RT: 7.700 min Scan# 2129
Delta R.T. 0.016 min
Lab File: VN069083.D
Acq: 21 Oct 2021 13:06

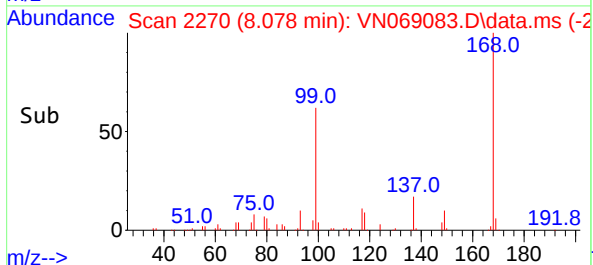
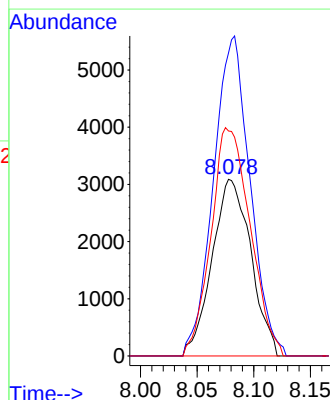
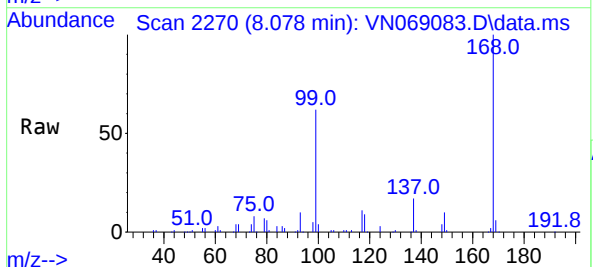
Instrument :
MSVOA_N
ClientSampled :

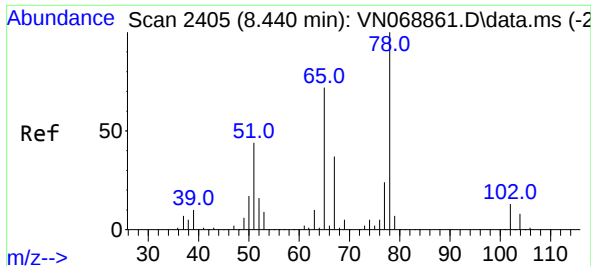
Tgt Ion:	42	Resp:	2551
Ion	Ratio	Lower	Upper
42	100		
72	12.0	35.4	53.2#
71	16.4	33.8	50.6#



#31
Cyclohexane
Concen: 1.135 ug/l
RT: 8.078 min Scan# 2270
Delta R.T. -0.018 min
Lab File: VN069083.D
Acq: 21 Oct 2021 13:06

Tgt Ion:	56	Resp:	7347
Ion	Ratio	Lower	Upper
56	100		
69	171.6	26.9	40.3#
84	127.3	67.6	101.4#



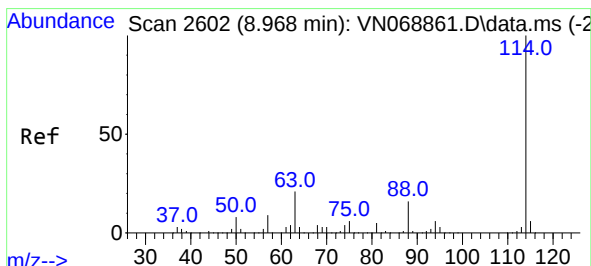
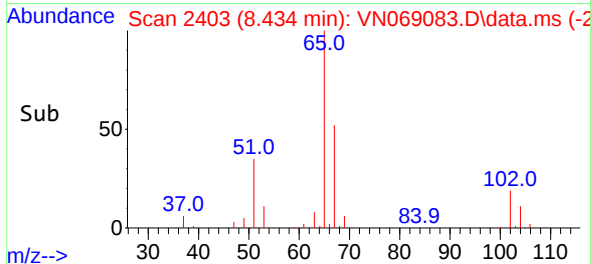
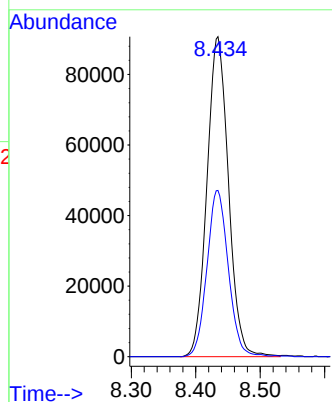
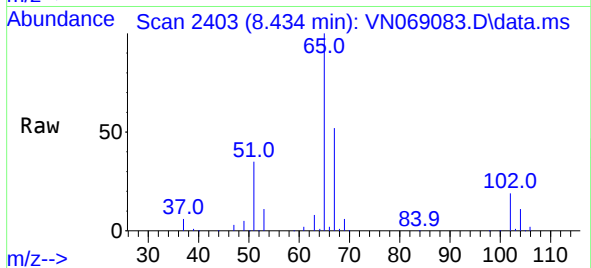


#33

1,2-Dichloroethane-d4
Concen: 50.524 ug/l
RT: 8.434 min Scan# 2403
Delta R.T. -0.005 min
Lab File: VN069083.D
Acq: 21 Oct 2021 13:06

Instrument :
MSVOA_N
ClientSampled :

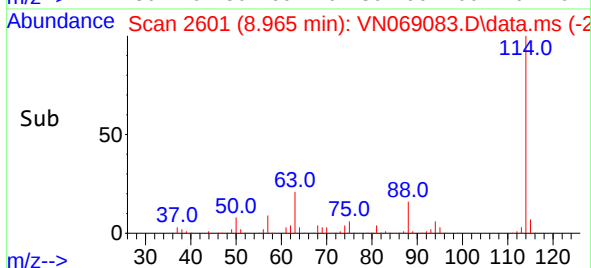
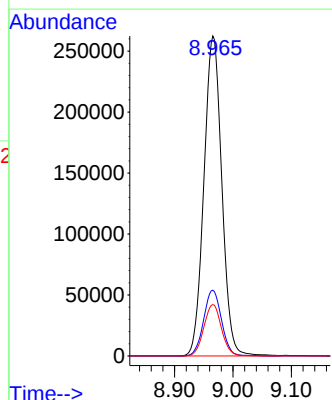
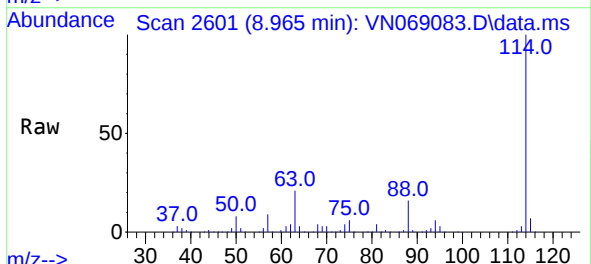
Tgt Ion: 65 Resp: 210433
Ion Ratio Lower Upper
65 100
67 51.6 0.0 103.8

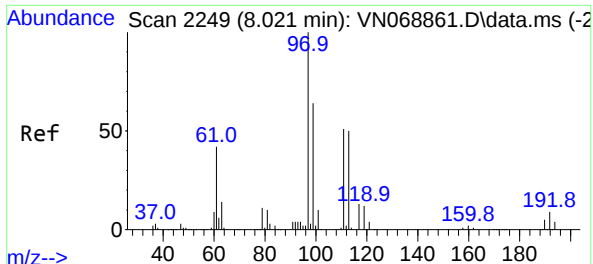


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.965 min Scan# 2601
Delta R.T. -0.003 min
Lab File: VN069083.D
Acq: 21 Oct 2021 13:06

Tgt Ion: 114 Resp: 558841
Ion Ratio Lower Upper
114 100
63 20.6 0.0 42.6
88 16.1 0.0 32.0

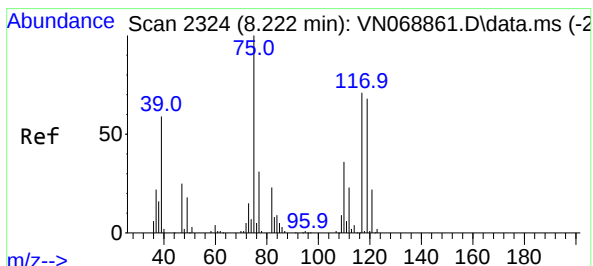
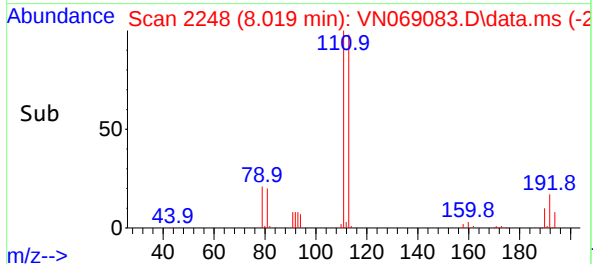
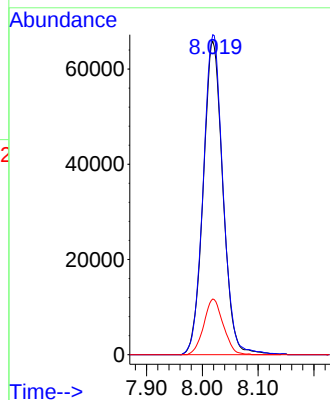
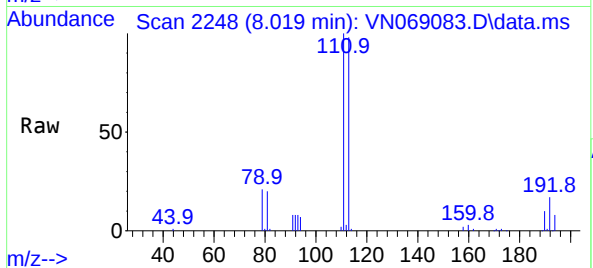




#35
Dibromofluoromethane
Concen: 49.591 ug/l
RT: 8.019 min Scan# 2248
Delta R.T. -0.003 min
Lab File: VN069083.D
Acq: 21 Oct 2021 13:06

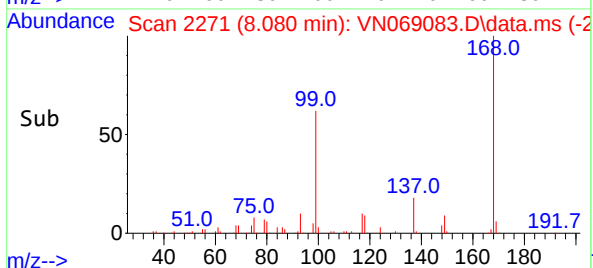
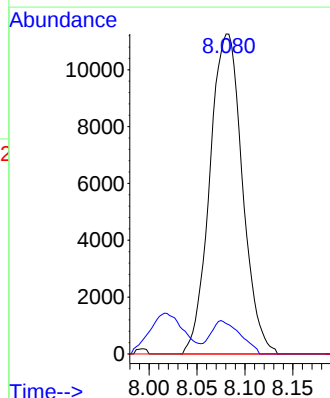
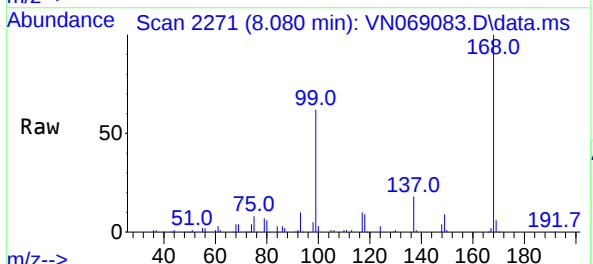
Instrument :
MSVOA_N
ClientSampleId :

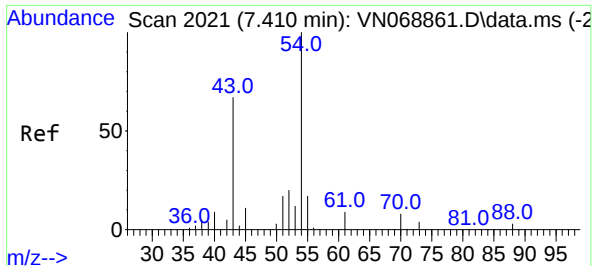
Tgt Ion:113 Resp: 161240
Ion Ratio Lower Upper
113 100
111 102.6 83.2 124.8
192 17.6 15.0 22.4



#36
1,1-Dichloropropene
Concen: 5.572 ug/l
RT: 8.080 min Scan# 2271
Delta R.T. -0.142 min
Lab File: VN069083.D
Acq: 21 Oct 2021 13:06

Tgt Ion: 75 Resp: 26598
Ion Ratio Lower Upper
75 100
110 9.6 17.9 53.8#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 0.371 ug/l

RT: 7.351 min Scan# 1999

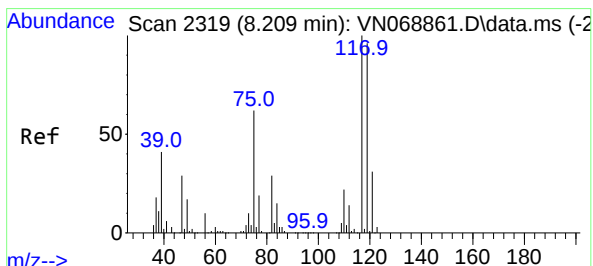
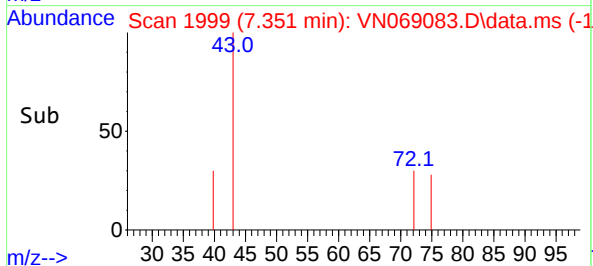
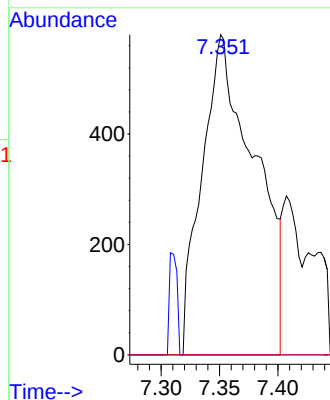
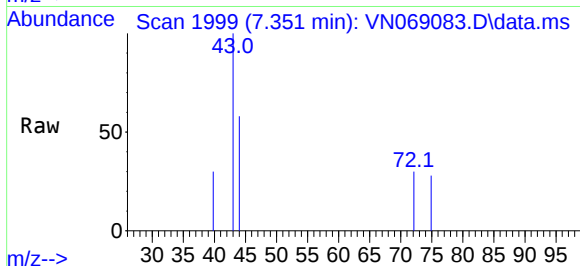
Delta R.T. -0.059 min

Lab File: VN069083.D

Acq: 21 Oct 2021 13:06

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion:	43	Resp:	1828
Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.2	16.8#
70	0.0	8.4	12.6#



#38

Carbon Tetrachloride

Concen: 6.331 ug/l

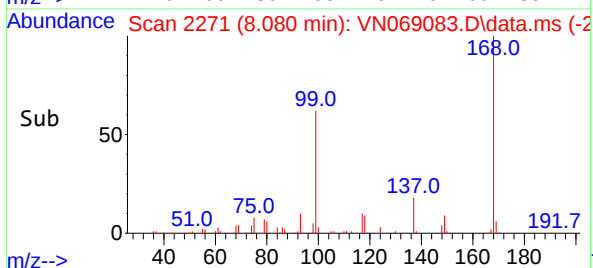
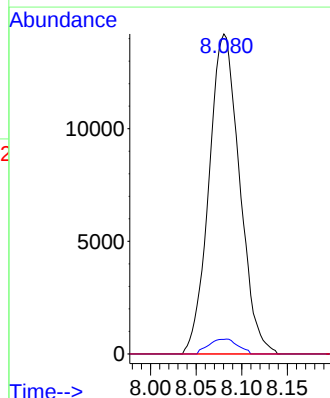
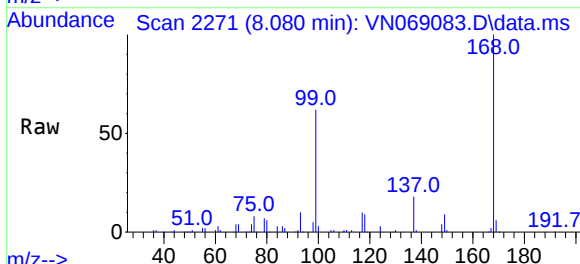
RT: 8.080 min Scan# 2271

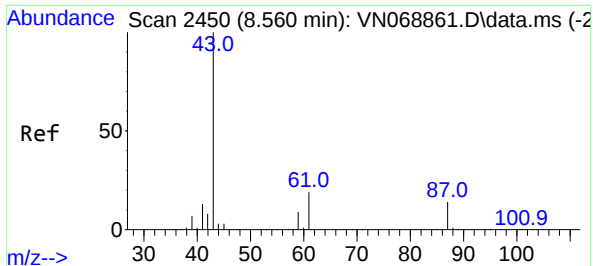
Delta R.T. -0.129 min

Lab File: VN069083.D

Acq: 21 Oct 2021 13:06

Tgt Ion:	117	Resp:	33191
Ion	Ratio	Lower	Upper
117	100		
119	4.5	76.9	115.3#
121	0.0	24.6	37.0#

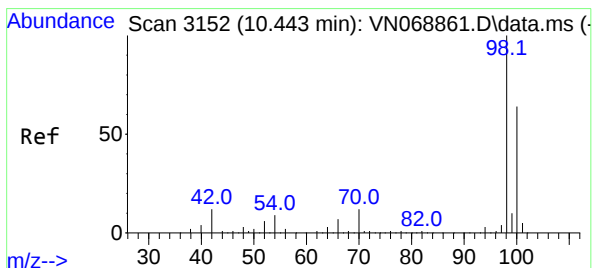
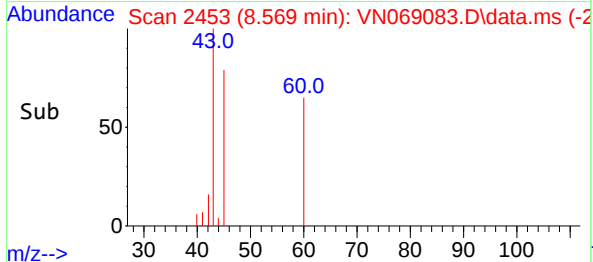
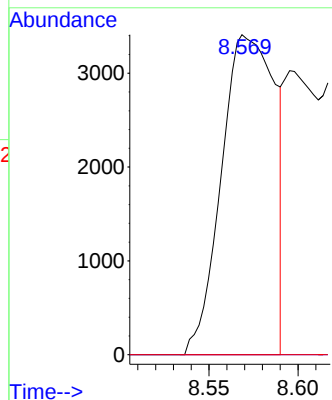
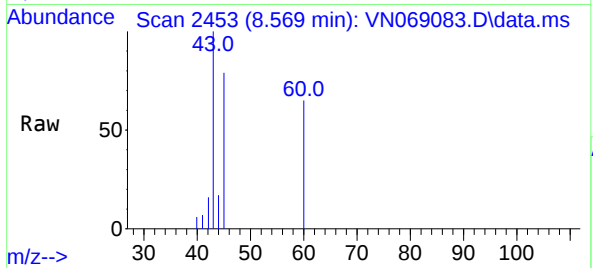




#43
Isopropyl Acetate
Concen: 0.819 ug/l
RT: 8.569 min Scan# 2453
Delta R.T. 0.008 min
Lab File: VN069083.D
Acq: 21 Oct 2021 13:06

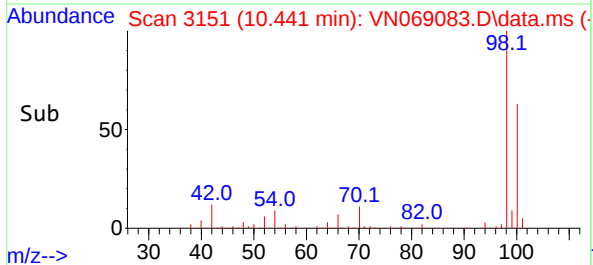
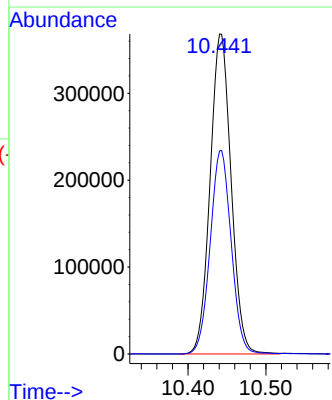
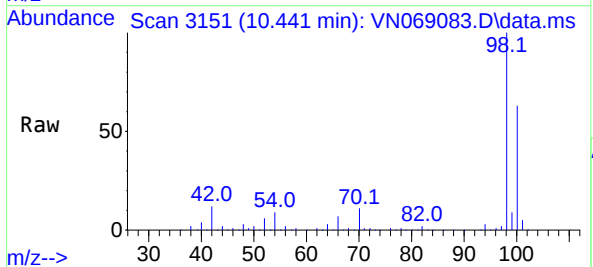
Instrument :
MSVOA_N
ClientSampled :

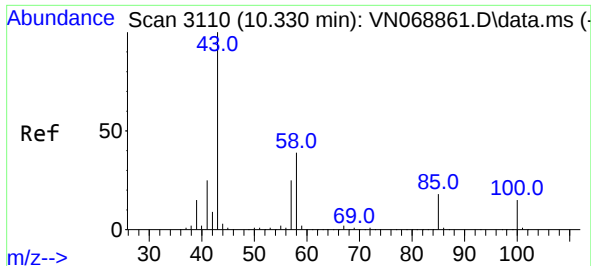
Tgt Ion: 43 Resp: 7122
Ion Ratio Lower Upper
43 100
61 0.0 20.4 30.6#
87 0.0 10.7 16.1#



#50
Toluene-d8
Concen: 52.970 ug/l
RT: 10.441 min Scan# 3151
Delta R.T. -0.003 min
Lab File: VN069083.D
Acq: 21 Oct 2021 13:06

Tgt Ion: 98 Resp: 689110
Ion Ratio Lower Upper
98 100
100 63.6 51.5 77.3

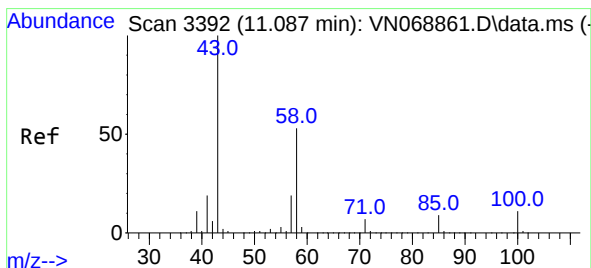
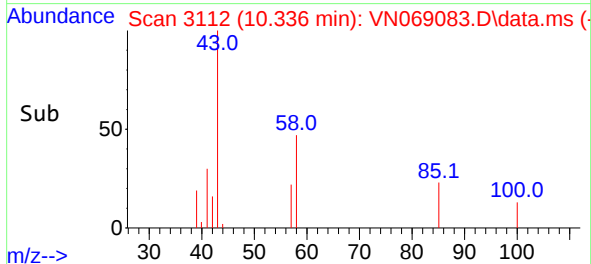
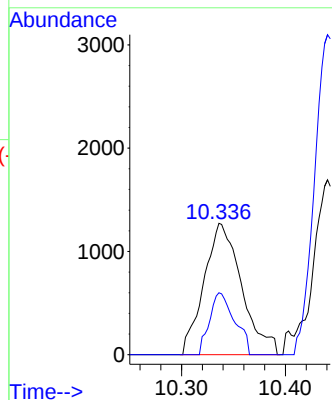
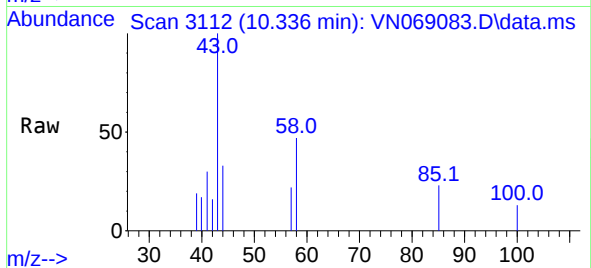




#51
4-Methyl-2-Pentanone
Concen: 0.636 ug/l
RT: 10.336 min Scan# 3112
Delta R.T. 0.006 min
Lab File: VN069083.D
Acq: 21 Oct 2021 13:06

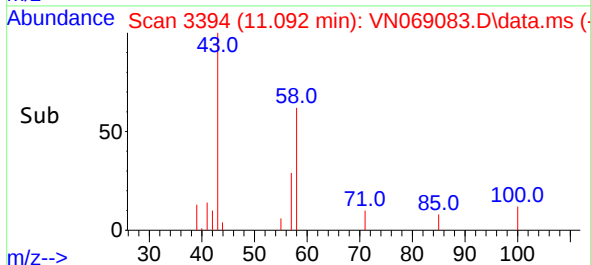
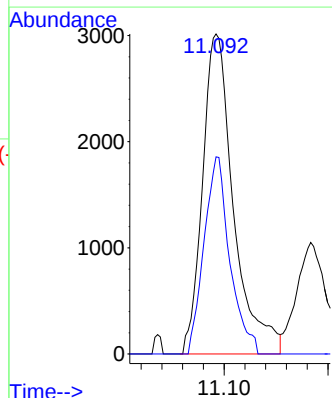
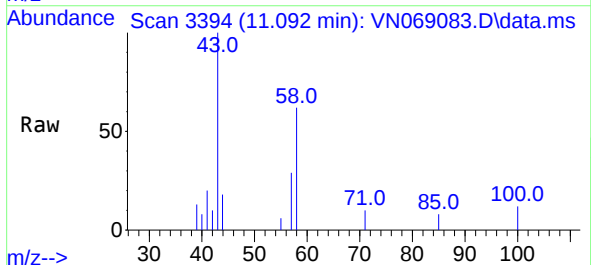
Instrument :
MSVOA_N
ClientSampled :

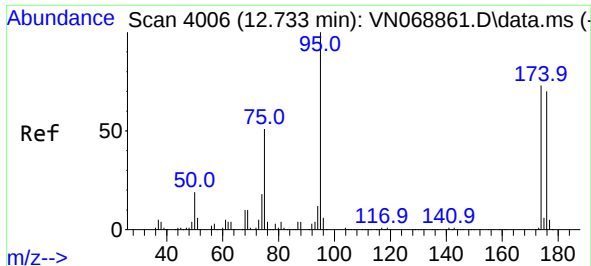
Tgt Ion: 43 Resp: 3206
Ion Ratio Lower Upper
43 100
58 31.3 31.0 46.4



#59
2-Hexanone
Concen: 1.732 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.006 min
Lab File: VN069083.D
Acq: 21 Oct 2021 13:06

Tgt Ion: 43 Resp: 6265
Ion Ratio Lower Upper
43 100
58 51.0 26.9 80.7

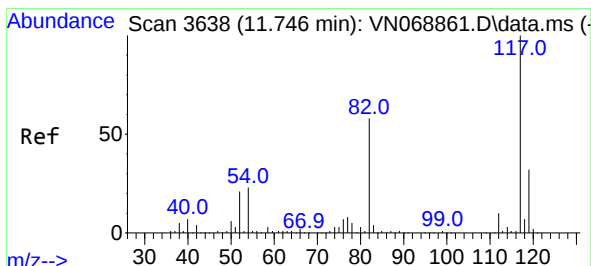
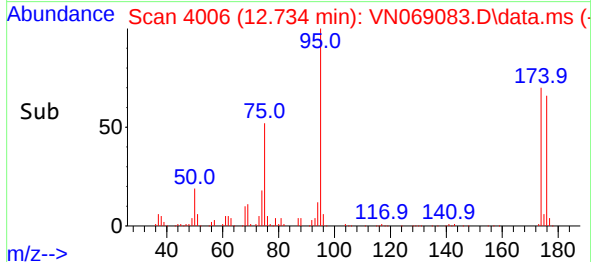
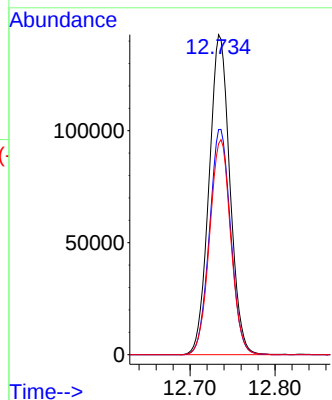
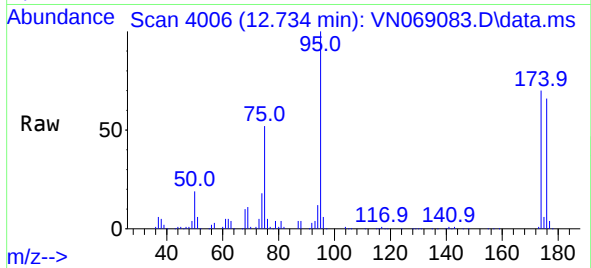




#62
4-Bromofluorobenzene
Concen: 49.629 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.000 min
Lab File: VN069083.D
Acq: 21 Oct 2021 13:06

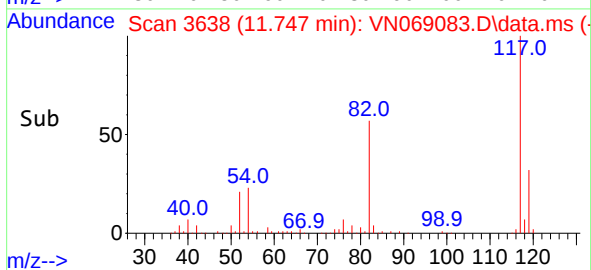
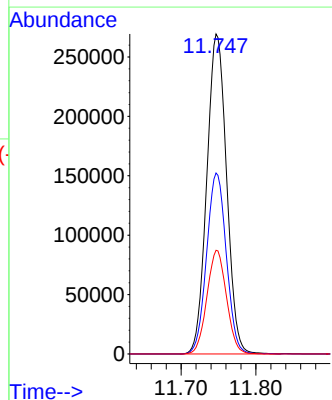
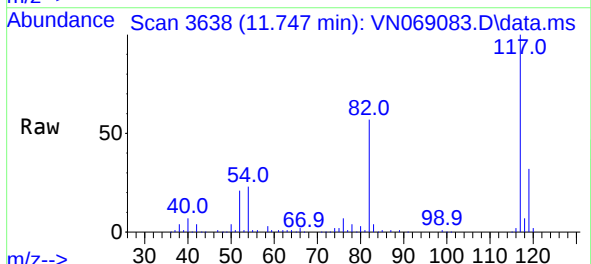
Instrument :
MSVOA_N
ClientSampled :

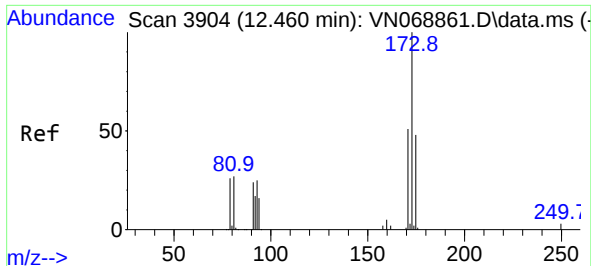
Tgt Ion: 95 Resp: 243591
Ion Ratio Lower Upper
95 100
174 71.5 0.0 144.8
176 68.2 0.0 140.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN069083.D
Acq: 21 Oct 2021 13:06

Tgt Ion: 117 Resp: 495395
Ion Ratio Lower Upper
117 100
82 56.5 46.4 69.6
119 32.4 26.0 39.0

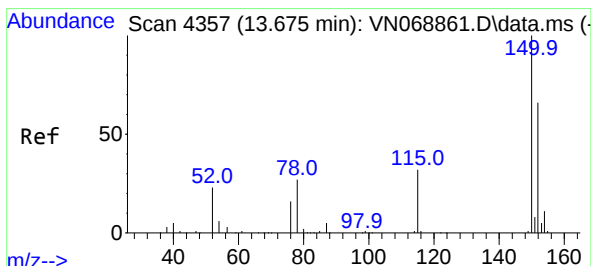
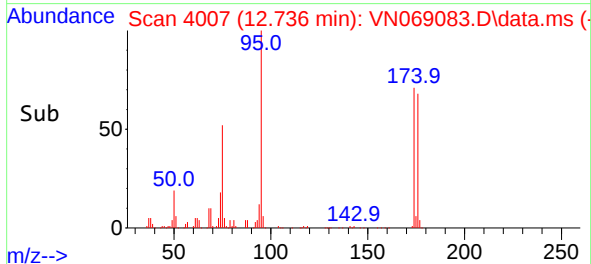
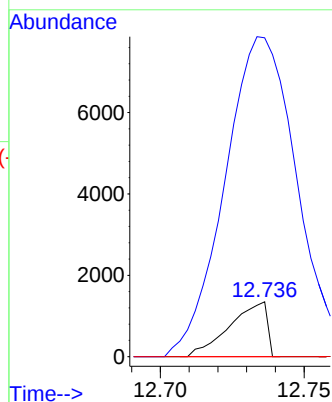
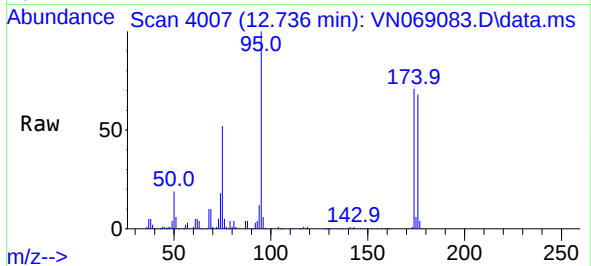




#71
Bromoform
Concen: 0.415 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.276 min
Lab File: VN069083.D
Acq: 21 Oct 2021 13:06

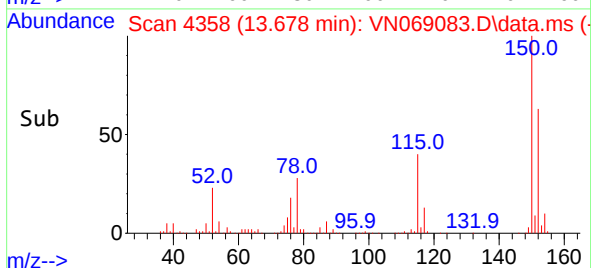
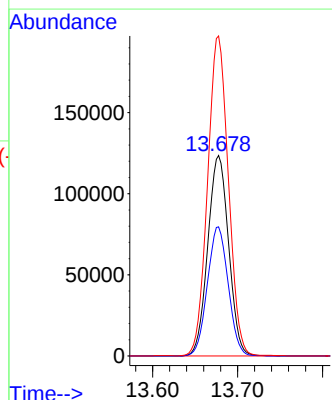
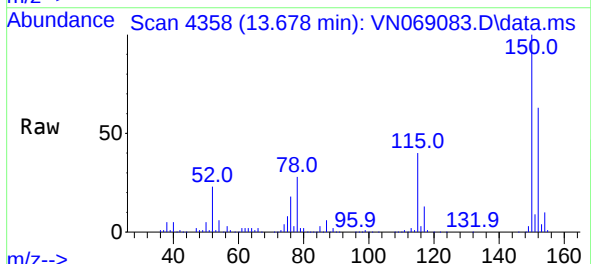
Instrument :
MSVOA_N
ClientSampled :

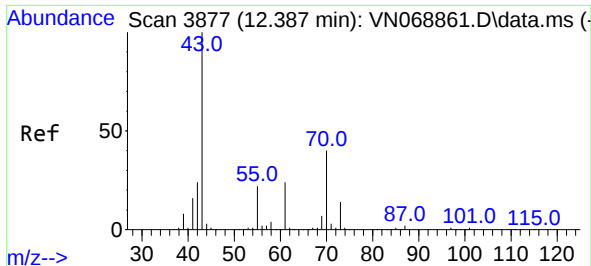
Tgt Ion:173 Resp: 1221
Ion Ratio Lower Upper
173 100
175 1027.8 23.8 71.5#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. 0.003 min
Lab File: VN069083.D
Acq: 21 Oct 2021 13:06

Tgt Ion:152 Resp: 210715
Ion Ratio Lower Upper
152 100
115 64.3 31.4 94.3
150 159.3 0.0 351.0



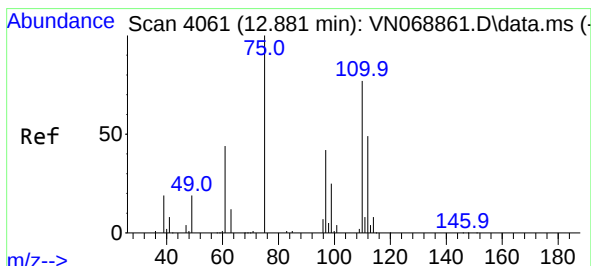
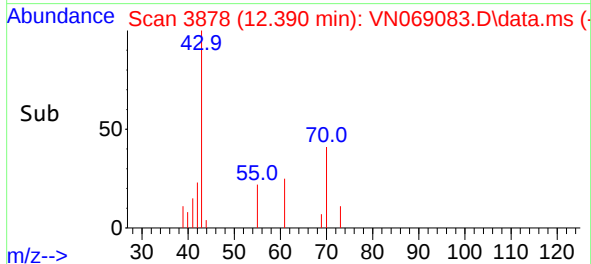
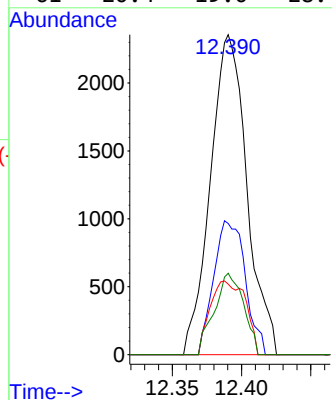
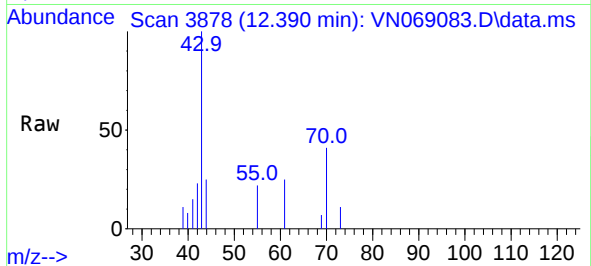


#74
N-amyl acetate
Concen: 0.649 ug/l
RT: 12.390 min Scan# 3878
Delta R.T. 0.003 min
Lab File: VN069083.D
Acq: 21 Oct 2021 13:06

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion: 43 Resp: 4310

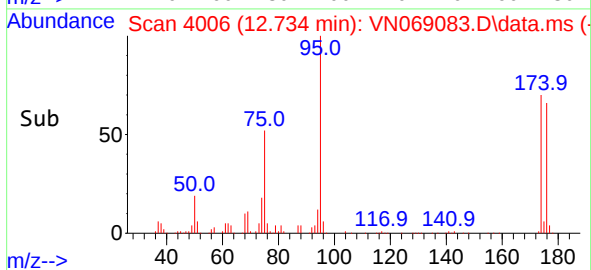
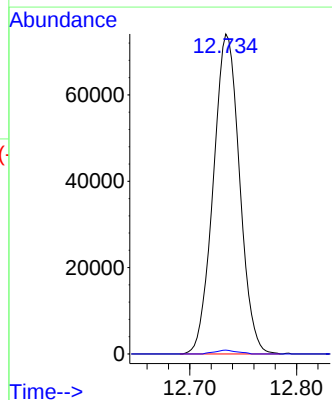
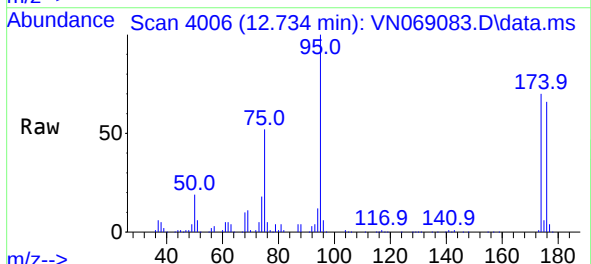
Ion	Ratio	Lower	Upper
43	100		
70	36.3	32.2	48.2
55	22.3	18.0	27.0
61	20.4	19.0	28.4

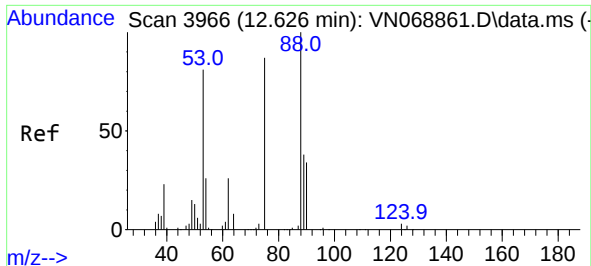


#76
1,2,3-Trichloropropane
Concen: 28.234 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.147 min
Lab File: VN069083.D
Acq: 21 Oct 2021 13:06

Tgt Ion: 75 Resp: 126585

Ion	Ratio	Lower	Upper
75	100		
77	1.0	96.2	288.4#

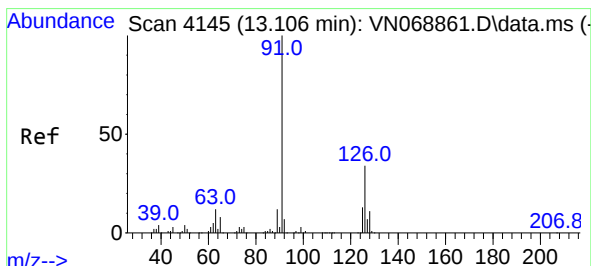
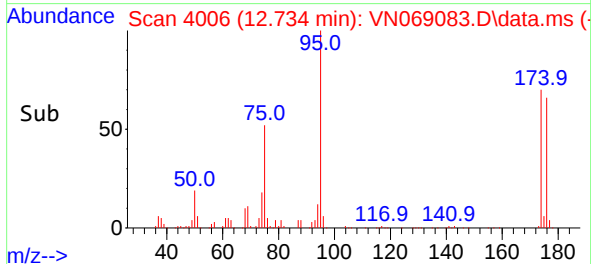
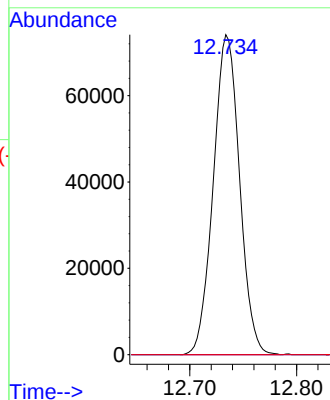
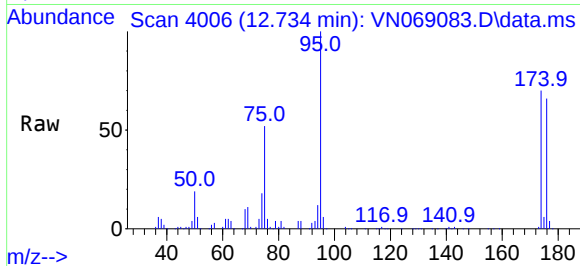




#81
trans-1,4-Dichloro-2-butene
Concen: 67.548 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.107 min
Lab File: VN069083.D
Acq: 21 Oct 2021 13:06

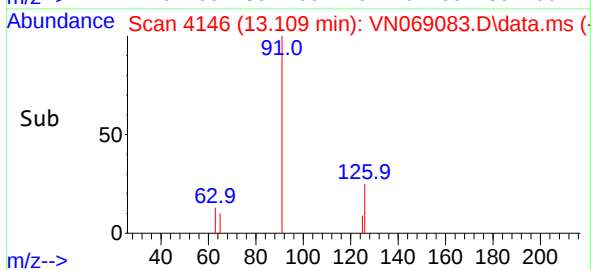
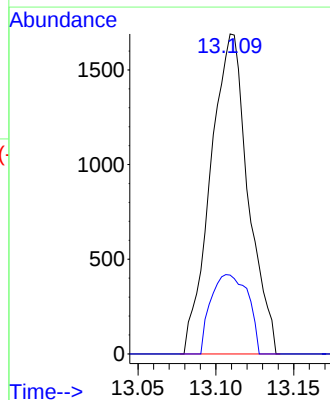
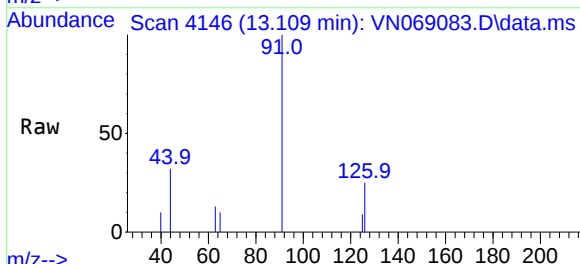
Instrument :
MSVOA_N
ClientSampled :

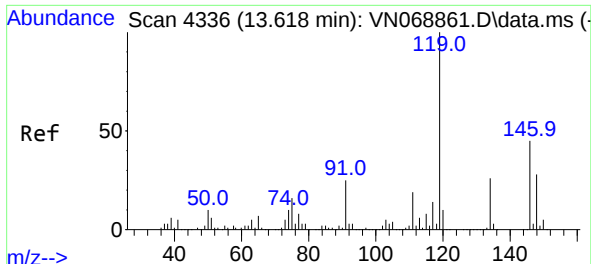
Tgt Ion: 75 Resp: 126585
Ion Ratio Lower Upper
75 100
53 0.0 75.4 113.2#
89 0.0 36.9 55.3#



#82
4-Chlorotoluene
Concen: 0.242 ug/l
RT: 13.109 min Scan# 4146
Delta R.T. 0.003 min
Lab File: VN069083.D
Acq: 21 Oct 2021 13:06

Tgt Ion: 91 Resp: 2836
Ion Ratio Lower Upper
91 100
126 24.4 16.3 48.8

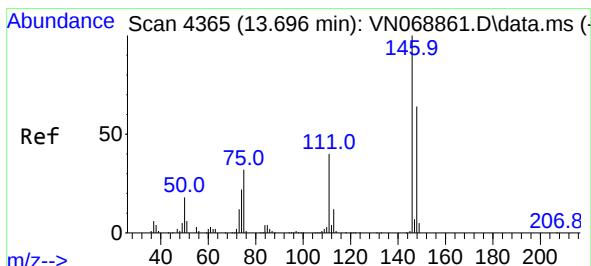
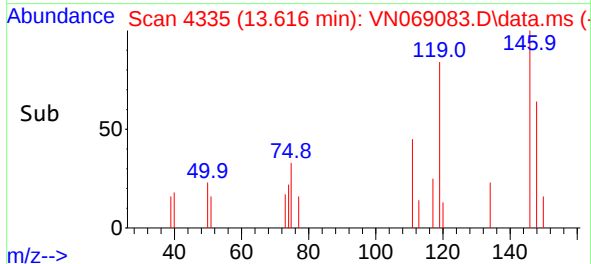
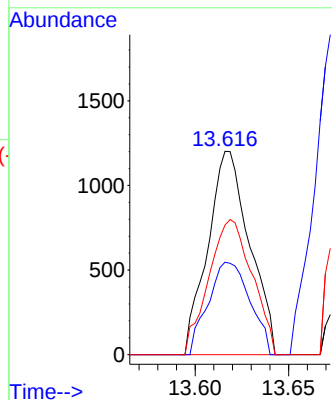
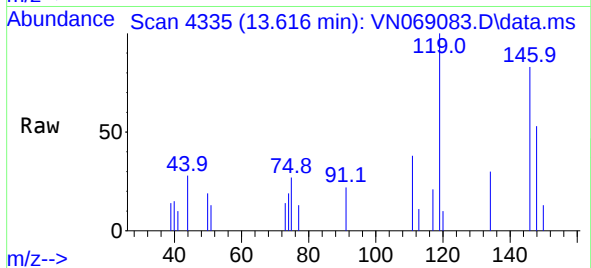




#87

1,3-Dichlorobenzene
Concen: 0.278 ug/l
RT: 13.616 min Scan# 4335
Delta R.T. -0.003 min
Lab File: VN069083.D
Acq: 21 Oct 2021 13:06

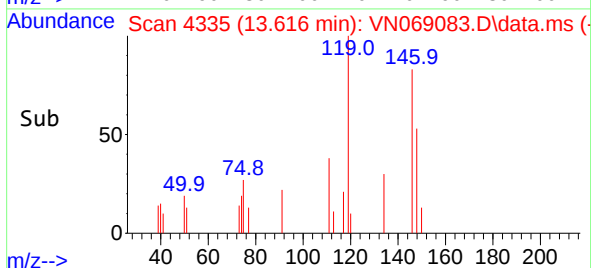
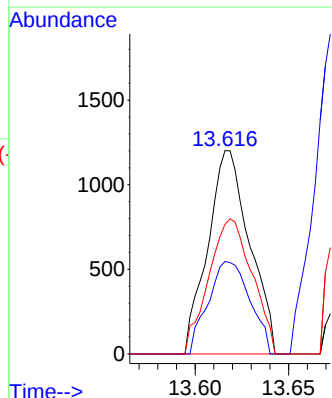
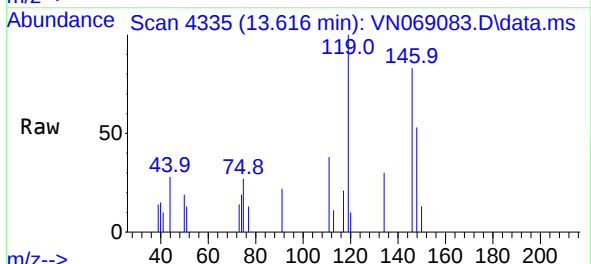
Tgt Ion:	146	Resp:	1867
Ion	Ratio	Lower	Upper
146	100		
111	45.4	21.4	64.2
148	69.1	32.0	96.2

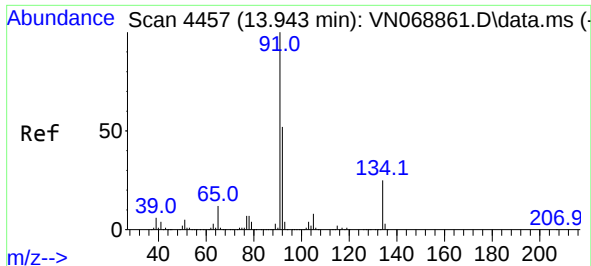


#88

1,4-Dichlorobenzene
Concen: 0.280 ug/l
RT: 13.616 min Scan# 4335
Delta R.T. -0.080 min
Lab File: VN069083.D
Acq: 21 Oct 2021 13:06

Tgt Ion:	146	Resp:	1867
Ion	Ratio	Lower	Upper
146	100		
111	45.4	20.6	61.8
148	69.1	32.1	96.5

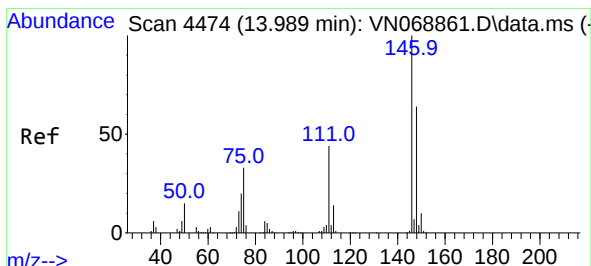
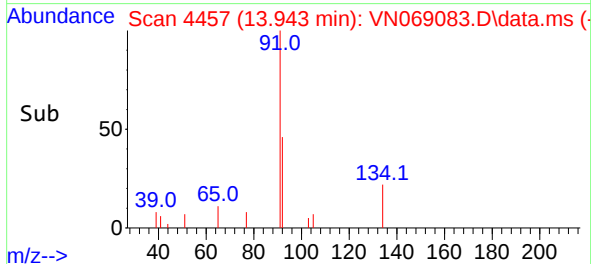
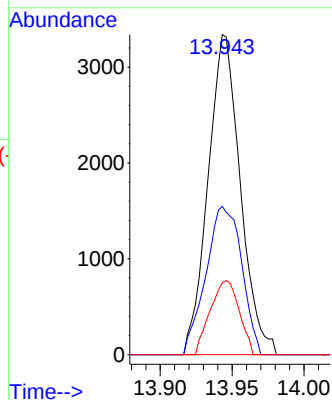
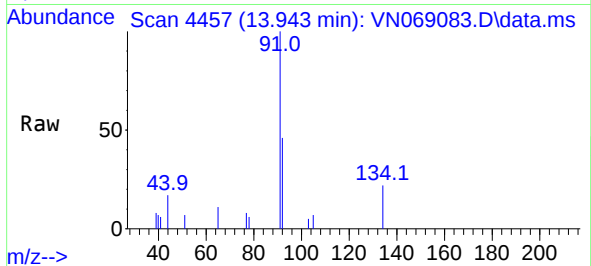




#89
n-Butylbenzene
Concen: 0.443 ug/l
RT: 13.943 min Scan# 4457
Delta R.T. 0.000 min
Lab File: VN069083.D
Acq: 21 Oct 2021 13:06

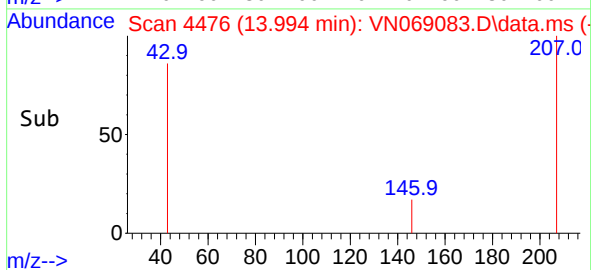
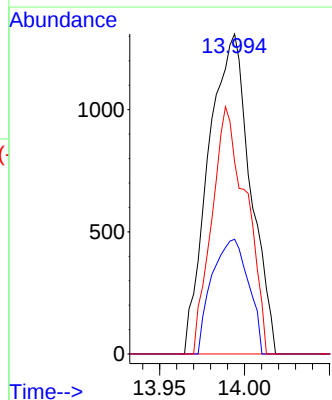
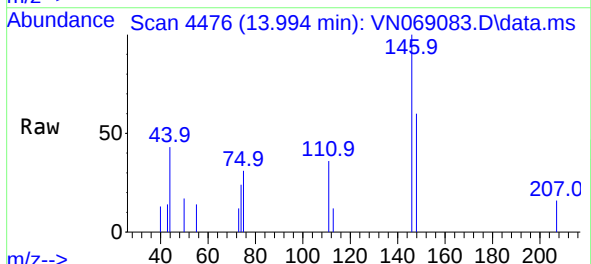
Instrument :
MSVOA_N
ClientSampled :

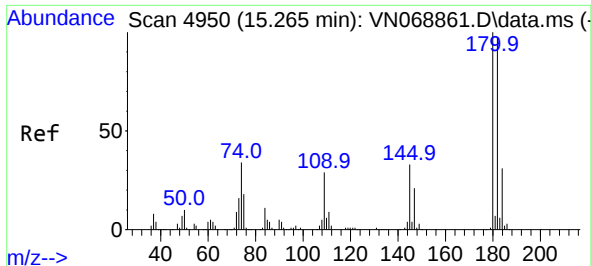
Tgt Ion: 91 Resp: 5209
Ion Ratio Lower Upper
91 100
92 51.3 26.0 78.0
134 20.7 12.5 37.5



#91
1,2-Dichlorobenzene
Concen: 0.345 ug/l
RT: 13.994 min Scan# 4476
Delta R.T. 0.005 min
Lab File: VN069083.D
Acq: 21 Oct 2021 13:06

Tgt Ion:146 Resp: 2247
Ion Ratio Lower Upper
146 100
111 31.2 22.0 66.0
148 63.7 32.1 96.5

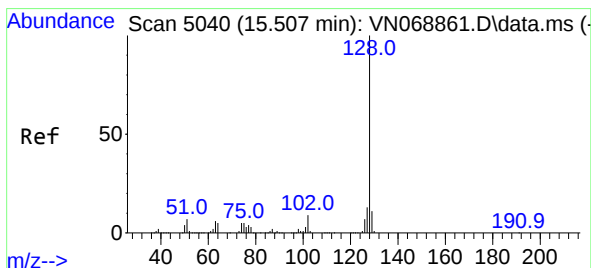
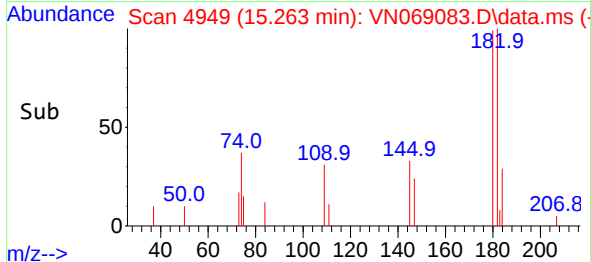
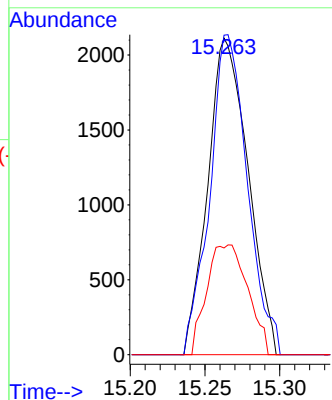
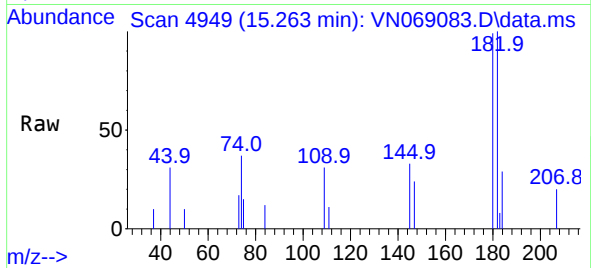




#93
1,2,4-Trichlorobenzene
Concen: 3.661 ug/l
RT: 15.263 min Scan# 4949
Delta R.T. -0.002 min
Lab File: VN069083.D
Acq: 21 Oct 2021 13:06

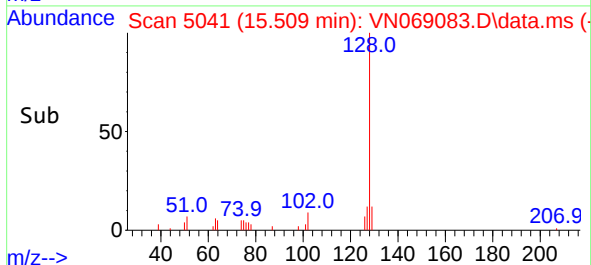
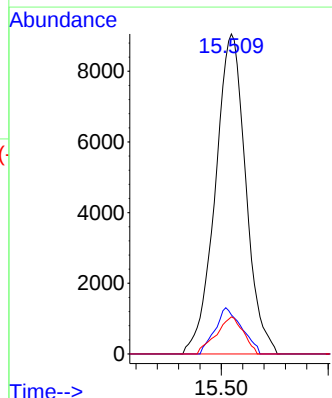
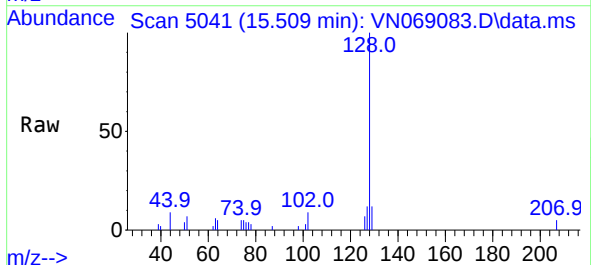
Instrument :
MSVOA_N
ClientSampled :

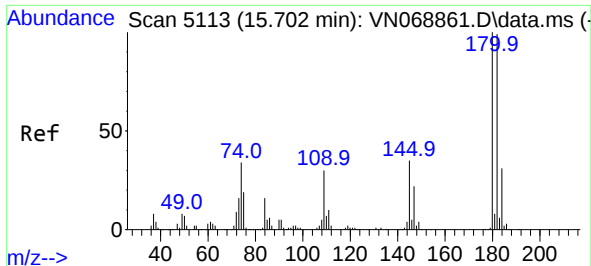
Tgt Ion:	180	Resp:	3956
Ion	Ratio	Lower	Upper
180	100		
182	94.6	47.9	143.7
145	35.4	16.4	49.2



#95
Naphthalene
Concen: 5.506 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.002 min
Lab File: VN069083.D
Acq: 21 Oct 2021 13:06

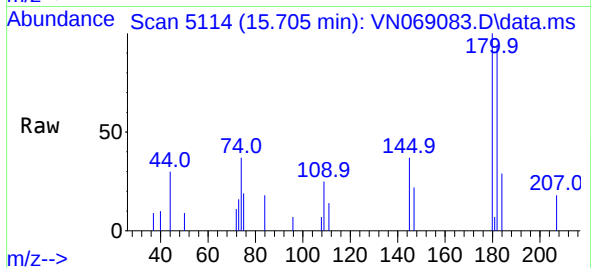
Tgt Ion:	128	Resp:	17931
Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.5	15.7
129	10.3	8.9	13.3





#96
 1,2,3-Trichlorobenzene
 Concen: 3.702 ug/l
 RT: 15.705 min Scan# 5114
 Delta R.T. 0.003 min
 Lab File: VN069083.D
 Acq: 21 Oct 2021 13:06

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:180 Resp: 4214

Ion	Ratio	Lower	Upper
180	100		
182	98.0	48.1	144.3
145	34.1	17.4	52.2

